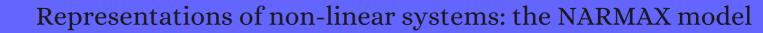
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#	Paper	IF	Citations
602	Atrazine oxidation modelling using Volterra series expanded on transfer functions.		O
601	Extended model set, global data and threshold model identification of severely non-linear systems. <i>International Journal of Control</i> , 1989 , 50, 1897-1923	1.5	115
600	Spectral analysis for non-linear systems, Part I: Parametric non-linear spectral analysis. 1989 , 3, 319-33	9	156
599	Adaptive channel equalisation using a polynomial-perceptron structure. 1990 , 137, 257		38
598	Interpretation of non-linear frequency response functions. <i>International Journal of Control</i> , 1990 , 52, 319-346	1.5	46
597	Non-linear systems identification using radial basis functions. 1990 , 21, 2513-2539		102
596	Nonlinlear State Space Modeling of Sunspot Data.		O
595	Parallel recursive prediction error algorithm for training layered neural networks. <i>International Journal of Control</i> , 1990 , 51, 1215-1228	1.5	104
594	Direct and indirect model based control using artificial neural networks. 1991 , 30, 2564-2573		152
593	. 1991,		O
592	FEEDFORWARD NEURAL NETWORKS FOR THE IDENTIFICATION OF DYNAMIC PROCESSES. 1991 , 105, 109-128		22
591	Rational model identification using an extended least-squares algorithm. <i>International Journal of Control</i> , 1991 , 54, 529-546	1.5	41
590			6
589	Orthogonal least-squares parameter estimation algorithms for non-linear stochastic systems. 1992 , 23, 1019-1032		9
588	Orthogonal least-squares algorithm for training multioutput radial basis function networks. 1992 , 139, 378		36
587	Parallel Nonlinear Decoupling for Process Control - A Narmax Approach. 1992 , 25, 49-54		
586	Recursive hybrid algorithm for non-linear system identification using radial basis function networks. <i>International Journal of Control</i> , 1992 , 55, 1051-1070	1.5	237

585	Parallel nonlinear decoupling for process control 🖾 NARMAX approach. 1992 , 17, 49-54	1
584	A nonlinear autoregressive signal model with state-dependent gain. 1992 , 26, 37-48	1
583	An adaptive nonlinear predictive controller. 1992 , 47, 755-762	66
582	Constructing NARMAX models using ARMAX models. <i>International Journal of Control</i> , 1993 , 58, 1125-11535	264
581	A neural network based control of a simulated industrial lime kiln.	O
580	Parameter estimation for stochastic nonlinear rational models. <i>International Journal of Control</i> , 1993 , 57, 309-333	22
579	•	
578	. 1993,	12
577	PARALLEL NONLINEAR DECOUPLING FOR PROCESS CONTROL - A NARMAX APPROACH. 1993 , 49-54	
576	Identification of cubic stiffness nonlinearity by linearity-conserved NARMAX modeling. 1994 , 8, 332-342	2
575	. 1994 , 42, 2470-2480	27
574	A structure detection algorithm for nonlinear dynamic rational models. <i>International Journal of Control</i> , 1994 , 59, 1439-1463	30
573	Regularization Networks for System Identification and Prediction of Glucose Kinetics. 1994 , 27, 303-304	
572		2
571		
	Comparing Different Modelling Techniques for the Escherichia Coli Fermentation Process. 1995 , 28, 142-147	
57°	Identification of models for chaotic systems from noisy data: implications for performance and nonlinear filtering. 1995 , 85, 239-258	61
570 569	Identification of models for chaotic systems from noisy data: implications for performance and	61

567	Adaptive model selection and estimation for nonlinear systems using a sliding data window. 1995 , 46, 179-202	26
566	Application of NARMAX modelling to eddy current brake process.	
565	Robust parameter tracking through regional forgetting.	
564	Polynomial perceptrons and their applications to fading channel equalization and co-channel interference suppression.	
563	On-line Structure Detection and Parameter Estimation with Exponential Windowing for Nonlinear Systems. 1996 , 2, 291-304	21
562	Gain bounds of higher-order nonlinear transfer functions. <i>International Journal of Control</i> , 1996 , 64, 767- 1 .73	12
561	Smoothing data with local instabilities for the identification of chaotic systems. <i>International Journal of Control</i> , 1996 , 63, 483-505	8
560	Non-Parametric Estimation of the Frequency Response Functions of the Linear Blocks of a Wienerhammerstein Model 1996 , 29, 4386-4391	
559	Non-Linear System Identification with Multiobjective Genetic Algorithms. 1996 , 29, 1169-1174	10
558	On data-based modelling techniques for fermentation processes. 1996 , 31, 147-155	50
557	Multi-layer perceptron based modelling of nonlinear systems. 1996 , 79, 93-112	17
556	A new method for identification and control of nonlinear dynamic systems. 1996 , 9, 231-243	13
555	An overview of fuzzy modeling for control. 1996 , 4, 1593-1606	194
554	Generalized autoregression and the analysis of dynamical processes. 1996 , 20, 152-161	
553	A bound for the magnitude characteristics of nonlinear output frequency response functions Part 2: Practical computation of the bound for systems described by the nonlinear autoregressive model with exogenous input. <i>International Journal of Control</i> , 1996 , 65, 365-384	6
552	A bound for the magnitude characteristics of nonlinear output frequency response functions Part 1. Analysis and computation. <i>International Journal of Control</i> , 1996 , 65, 309-328	27
551	Decomposition of generalized frequency response functions for nonlinear systems using symbolic computation. <i>International Journal of Control</i> , 1996 , 65, 589-618	9
550	Persistency of excitation of identification with N-D sampling neural networks. 1996 ,	

549	DISCRETE-TIME NEURAL MODEL STRUCTURES FOR CONTINUOUS-TIME NONLINEAR SYSTEMS: FUNDAMENTAL PROPERTIES AND CONTROL ASPECTS. 1996 , 3-39	3
548	A learning controller based on a nonlinear ARX inverse model identified by a genetic algorithm. 1997 , 28, 847-855	1
547	A genetic programming/NARMAX approach to nonlinear system identification. 1997,	10
546	Constructing Fuzzy Models by Product Space Clustering. 1997 , 53-90	37
545	System identification via artificial neural networks - Applications to on-line aircraft parameter estimation. 1997 ,	1
544	Dynamic System Fault Diagnosis Based on Neural Network Modelling. 1997 , 30, 55-60	1
543	An Evolutionary Approach to Non-Linear Polynomial System Identification. 1997 , 30, 1339-1344	3
542	Linear and Nonlinear Modelling for Fault Detection and Identification. 1997 , 30, 969-975	
541	On Identifying Global Nonlinear Discrete Models from Chaotic Data. 1997 , 07, 2593-2601	12
540	Non-parametric Estimation of the Frequency-response Functions of the Linear Blocks of a Wiener-Hammerstein Model**The original version of this paper was presented at the 13th IFAC World Congress, which was held in San Francisco, CA during 30 June-5 July 1996. The Published	34
539	Global and local neural network models in biotechnology: Application to different cultivation processes. 1997 , 83, 1-11	53
538	Multiple local Laguerre models for modelling nonlinear dynamic systems of the Wiener class. 1997 , 144, 375-380	9
537	Nonlinear internal model control using local model networks. 1997 , 144, 505-514	47
536	Neural modelling of chemical plant using MLP and B-spline networks. 1997 , 5, 1501-1515	21
535	Bibliography on higher-order statistics. 1997 , 60, 65-126	66
534	Fourier transform symmetry and invariance for neurocontrol of NARMA models. 1997 , 30, 1985-1993	
533	Identification of a localized non-linearity. 1998 , 33, 935-945	7
532	NONLINEAR MODELING AND PREDICTION OF A RIVER FLOW SYSTEM1. 1998 , 34, 1333-1339	3

531	Application of radial basis function and feedforward artificial neural networks to the Escherichia coli fermentation process. 1998 , 20, 67-82	40
530	Determining the model order of nonlinear input/output systems. 1998 , 44, 151-163	43
529	Statistical analysis of cutting force ratios for flank-wear monitoring. 1998, 74, 104-114	23
528	Structure detection for nonlinear rational models using genetic algorithms. 1998 , 29, 223-231	17
527	Volterra series modeling of spatial light modulators. 1998 , 37, 7472-81	0
526	Nonlinear Dynamic Matrix Control using Local Models. 1998 , 20, 47-56	18
525	On Overparametrization of Nonlinear Discrete Systems. 1998 , 08, 535-556	13
524	Adaptive neurofuzzy control for a class of state-dependent nonlinear processes. 1998 , 29, 759-771	9
523	A method for identification of non-linear multi-degree-of-freedom systems. 1998 , 212, 287-298	7
522	The identification of nonlinear dynamic systems around operating points using neural networks.	2
521	DISCRETE WAVELET MODELS FOR IDENTIFICATION AND QUALITATIVE ANALYSIS OF CHAOTIC SYSTEMS. 1999 , 09, 1263-1284	29
520	Genetic programming for dynamic chaotic systems modelling.	3
519	Nonlinear oscillations in machines and mechanisms theory. 1999 , 34, 1237-1253	2
518	One-step-ahead prediction of flank wear using cutting force. 1999 , 39, 1747-1760	13
517	Non-linear control of continuous bioreactors. 1999 , 20, 173	17
516	Multiobjective criteria for neural network structure selection and identification of nonlinear systems using genetic algorithms. 1999 , 146, 373-382	43
515	A NEW DERIVATION OF THE FREQUENCY RESPONSE FUNCTION MATRIX FOR VIBRATING NON-LINEAR SYSTEMS. 1999 , 227, 1083-1108	33
514	A DIRECT APPROACH TO IDENTIFICATION OF NONLINEAR DIFFERENTIAL MODELS FROM DISCRETE DATA. 1999 , 13, 739-755	14

513	Neural networks based NARX models in nonlinear adaptive control. 1999,	O
512	Important issues of system identification using algorithms for structure selection: do noise terms have any influence when the data are chaotic?. 1999 ,	1
511	Nonlinear System Representation. 1999 ,	1
510	Estimation of time-varying time delay and parameters for NARMAX systems. 1999 , 32, 5041-5046	
509	On-line predictive control of a chemical process using neural network models. 1999 , 32, 4347-4352	1
508	Advanced adaptive techniques for multivariable nonlinear processes. 1999 , 32, 4464-4469	
507	Adaptive Predictive Control Based on Neural Networks. 2000, 33, 335-339	
506	A Bootstrap Method for Narmax Model Order Selection. 2000 , 33, 329-332	1
505	Robust Stability and Control Issues for NARX Models. 2000 , 33, 705-710	
504	A FREQUENCY DOMAIN METHOD FOR ESTIMATING THE PARAMETERS OF A NON-LINEAR STRUCTURAL DYNAMIC MODEL THROUGH FEEDBACK. 2000 , 14, 637-656	100
503	A real-time estimation approach to time-varying time delay and parameters of NARX processes. 2000 , 23, 1763-1772	17
502	Adaptive RBFNN versus conventional self-tuning: comparison of two parametric model approaches for non-linear control. 2000 , 8, 3-12	22
501	Multi-step-ahead prediction using dynamic recurrent neural networks. 2000, 13, 765-86	109
500	Artificial neural networks for modelling and predictive control of an industrial evaporation process. 2000 , 46, 227-234	19
499	Nonlinear prediction by kriging, with application to noise cancellation. 2000 , 80, 553-566	12
498	Use of Genetic Programming in the Identification of Rational Model Structures. 2000 , 181-192	5
498	Use of Genetic Programming in the Identification of Rational Model Structures. 2000 , 181-192 Time Domain Identification of Frames under Earthquake Loadings. 2000 , 126, 693-703	5 76

495	Genetic Programming. 2000 ,	7
494	Evaluation of Fit Algorithms for NOx Emission Prediction for Efficient DeNOx Control of Transient Diesel Engine Exhaust Gas. 2000 , 39, 2992-2997	10
493	Neural Networks for Identification of Nonlinear Systems: An Overview. 2000 , 337-356	3
492	System Identification and Neuromuscular Modeling. 2000 , 134-147	2
491	Identification of nonlinear processes in the magnetospheric dynamics and forecasting of Dst index. 2001 , 106, 30047-30066	42
490	Signal processing for experimental modal analysis. 2001 , 359, 41-59	7
489	Non-linear system identification using wavelet multiresolution models. <i>International Journal of Control</i> , 2001 , 74, 1718-1736	33
488	References. 2001 , 489-506	
487	Nonlinear Modelling and Validation of an Aircraft Gas Turbine Engine. 2001, 34, 871-876	2
486	A Parallel MLPN Model with EKF-Based On-Line Learning Algorithm. 2001 , 34, 499-504	
485		
T * J	Nonlinear system identification using autoregressive quadratic models. 2001 , 81, 357-379	17
484	Nonlinear system identification using autoregressive quadratic models. 2001 , 81, 357-379 A bibliography on nonlinear system identification. 2001 , 81, 533-580	17 147
484	A bibliography on nonlinear system identification. 2001 , 81, 533-580	147
484	A bibliography on nonlinear system identification. 2001, 81, 533-580 RainfallEunoff multi-modelling for sensor fault diagnosis. 2001, 9, 659-671 Optimum NOx abatement in diesel exhaust using inferential feedforward reductant control. 2001,	147
484 483 482	A bibliography on nonlinear system identification. 2001, 81, 533-580 RainfallEunoff multi-modelling for sensor fault diagnosis. 2001, 9, 659-671 Optimum NOx abatement in diesel exhaust using inferential feedforward reductant control. 2001, 80, 1001-1008	147 19 17
484 483 482 481	A bibliography on nonlinear system identification. 2001, 81, 533-580 RainfallEunoff multi-modelling for sensor fault diagnosis. 2001, 9, 659-671 Optimum NOx abatement in diesel exhaust using inferential feedforward reductant control. 2001, 80, 1001-1008 Non-linear system identification and fault diagnosis using a new GUI interpretation tool. 2001, 54, 425-449	147 19 17

477	Development and Application of a Nonlinear Modal Analysis Technique for MDOF Systems. 2001 , 7, 167-179	12
476	Genetic programming in time series modelling: an application to meteorological data.	2
475	Nonlinear Identification and Control. 2001,	76
474	Identification of coupled map lattice models of deterministic distributed parameter systems. 2002 , 33, 623-634	22
473	Optimisation of Industrial Processes at Supervisory Level. 2002 ,	11
472	NONLINEAR CONTROL SYSTEMS MODELLING USING LOCAL LINEAR MAPPINGS. 2002 , 35, 181-186	1
471	A MODELING STRATEGY FOR RECTANGULAR THERMAL CONVECTION LOOPS. 2002 , 35, 167-172	
470	Classifying Linear and Nonlinear Structural Damage Using Frequency Domain ARX Models. 2002 , 1, 185-201	44
469	Identification of piecewise affine models in noisy environment. <i>International Journal of Control</i> , 2002 , 75, 1472-1485	33
468	An adaptive multiscale basis method for modelling discrete-time non-linear dynamical systems. International Journal of Control, 2002, 75, 141-153	1
467	Structured parameter optimization method for the radial basis function-based state-dependent autoregressive model. 2002 , 33, 1087-1098	5
466	Non-linear systems in the frequency domain: Energy transfer filters. <i>International Journal of Control</i> , 2002 , 75, 1066-1081	25
465	A COMPARISON OF THREE TECHNIQUES USING STEADY STATE DATA TO IDENTIFY NON-LINEAR MODAL BEHAVIOR OF AN EXTERNALLY EXCITED CANTILEVER BEAM. 2002 , 249, 785-813	28
464	FREQUENCY DOMAIN ARX MODEL AND MULTI-HARMONIC FRF ESTIMATORS FOR NON-LINEAR DYNAMIC SYSTEMS. 2002 , 250, 935-950	26
463	EXPERIMENTAL VALIDATION OF THE CONSTANT LEVEL METHOD FOR IDENTIFICATION OF NON-LINEAR MULTI-DEGREE-OF-FREEDOM SYSTEMS. 2002 , 258, 829-845	6
462	Nonlinear modeling and adaptive fuzzy control of MCFC stack. 2002 , 12, 831-839	34
461	Nonlinear modeling of MCFC stack based on RBF neural networks identification. 2002 , 10, 109-119	29
460	A discrete-time nonlinear Wiener model for the relaxation of soft biological tissues. 2002 , 24, 9-19	7

459	Hybrid parametric-physiological glottal modelling with application to voice quality assessment. 2002 , 24, 453-60	4
458	Neural prediction of combustion instability. 2002 , 72, 513-528	53
457	A kernel-based technique for forecasting geomagnetic activity and prediction of Dst. 2002 , 30, 2181-2188	6
456	A new GUI interpretation tool for the non-linear frequency response function. 2002 , 339, 431-454	2
455	A neural predictive controller for non-linear systems. 2002 , 60, 315-324	37
454	Modelling a chlorination tower: a multiple model approach. 2002 , 12, 303-309	2
453	Neural network-based prediction of the oscillating behaviour of a closed loop thermosyphon. 2002 , 45, 3875-3884	6
452	A cumulant based algorithm for the identification of inputButput quadratic systems. 2002 , 38, 391-407	9
451	Identification of finite dimensional models of infinite dimensional dynamical systems. 2002 , 38, 1851-1865	73
450	Nonlinear System Identification of Multi-Degree-of-Freedom Systems. 2003 , 32, 307-322	39
449	Sparse multioutput radial basis function network construction using combined locally regularised orthogonal least square and D-optimality experimental design. 2003 , 150, 139-146	10
448	Identification of a class of non-linear parametrically varying models. 2003 , 17, 33-50	32
447	Dynamic systems modelling using genetic programming. 2003 , 27, 1841-1854	30
446	A back propagation algorithm to estimate the parameters of non-linear dynamic rational models. 2003 , 27, 169-187	35
445	Modelling and prediction of machining errors using ARMAX and NARMAX structures. 2003 , 27, 611-627	39
444	Implementation of neural network predictive control to a multivariable chemical reactor. 2003, 11, 1315-132	3 62
443	Neurofuzzy network based self-tuning control with offset eliminating. 2003 , 34, 111-122	5
442	Optimal Mathematical Models for Nonlinear Dynamical Systems. 2003 , 9, 327-343	3

441	Fuzzy neural network model for a class of nonlinear systems. 2003,	1
440	Sparse kernel regression modeling using combined locally regularized orthogonal least squares and D-optimality experimental design. 2003 , 48, 1029-1036	79
439	An evolutionary algorithm for membership fuzzy function auto tuning. 2003,	
438	The Spectral Analysis of Polynomial Nonlinear Vibration System with Multi-Degree of Freedom. 2003 , 243-244, 547-552	
437	A methodology for nonlinear system identification using volterra series. application to an anaerobic digestor. 2003 , 36, 1227-1232	
436	A Suboptimal Bootstrap Method for Structure Detection of Nonlinear Output-Error Models. 2003 , 36, 1525-1530	1
435	Identification of Nonlinear Parametrically Varying Models Using Separable Least Squares. 2003 , 36, 153	31-1536
434	Identification of Linear Systems with Nonlinear Distortions. 2003 , 36, 1723-1734	3
433	Modelling a variable valve timing spark ignition engine using different neural networks. 2004 , 218, 115	9-1171 13
432	Model structure selection for a discrete-time non-linear system using a genetic algorithm. 2004 , 218, 85-98	3
431	Neural network model adaptation and its application to process control. 2004 , 18, 1-8	5
430	Modelling and prediction of NOx emission in a coal-fired power generation plant. 2004 , 12, 707-723	60
429	Adaptive MNN control for a class of non-affine NARMAX systems with disturbances. 2004 , 53, 1-12	53
428	Multiobjective nonlinear system identification: a case study with thyristor controlled series capacitor (TCSC). 2004 , 35, 537-546	8
427	Identification of non-linear parametrically varying models using separable least squares. <i>International Journal of Control</i> , 2004 , 77, 1382-1392	1.5 42
426	Fuzzy model based adaptive predictive control of nonaffine nonlinear systems: one-step-ahead and multi-step-ahead schemes. 2004 ,	
425	Model-reference adaptive control based on neurofuzzy networks. 2004 , 34, 302-309	31
424	Critical vector learning to construct sparse kernel modeling with PRESS statistic.	

423	Nonlinear Thermal Modelling of an Electrical Supercharger. 2004 , 37, 507-512	1
422	Neural Predictive Control Design for Uncertain Nonlinear Systems. 2004, 37, 655-660	1
421	THE IDENTIFICATION OF A CLASS OF NONLINEAR SYSTEMS USING A CORRELATION ANALYSIS APPROACH. 2005 , 38, 208-212	2
420	FUZZY ACTIVATED NEURAL MODELS FOR PRODUCT QUALITY MONITORING IN REFINERIES. 2005 , 38, 159-164	3
419	Modeling a multivariable reactor and on-line model predictive control. 2005 , 44, 539-59	2
418	Soft sensors for product quality monitoring in debutanizer distillation columns. 2005 , 13, 499-508	150
417	An implicit least squares algorithm for nonlinear rational model parameter estimation. 2005 , 29, 673-689	30
416	Adaptive neural model-based fault tolerant control for multi-variable processes. 2005 , 18, 393-411	21
415	Data reduction in headspace analysis of blood and urine samples for robust bacterial identification. 2005 , 79, 259-71	13
414	A least-squares parameter estimation algorithm for switched hammerstein systems with applications to the VOR. 2005 , 52, 431-44	43
413	Evolution of mathematical models of chaotic systems based on multiobjective genetic programming. 2005 , 8, 235-256	25
412	A flow waveform-matched low-dimensional glottal model based on physical knowledge. 2005 , 117, 3184-95	22
411	Model Based SHM - Rotating Machinery Application. 2005 , 293-294, 459-466	
410	Volterra model inversion using restored input feedback Application to an anaerobic digestor.	
409	Sparse Kernel Regression Modelling Based on L1 Significant Vector Learning.	
408	On the role of prefiltering in nonlinear system identification. 2005 , 50, 1597-1602	22
407	Kernel based partially linear models and nonlinear identification. 2005 , 50, 1602-1606	62
406	Sparse Generalized Kernel Modeling for Nonlinear Systems.	

(2006-2005)

405	On-line control for optimal ignition timing using the pseudolinear radial basis function and the local linear model tree. 2005 , 219, 227-240		5
404	Evolutionary Multiresolution Filtering to Forecast Nonlinear Time Series. 2005, 14,		1
403	Scaling of the sampling period in nonlinear system identification.		5
402	Nonlinear System Identification of Systems with Periodic Limit-Cycle Response. 2005 , 39, 63-77		17
401	Output feedback control of a class of discrete MIMO nonlinear systems with triangular form inputs. 2005 , 16, 1491-503		44
400	Recursive identification based on nonlinear state space models applied to drum-boiler dynamics with nonlinear output equations.		5
399	A suboptimal bootstrap method for structure detection of non-linear output-error models with application to human ankle dynamics. <i>International Journal of Control</i> , 2005 , 78, 937-948	1.5	4
398	Identification of nonlinear systems using generalized kernel models. 2005 , 13, 401-411		21
397	Identification of Non-Linear Dynamic Systems using an Expert Approach. 2006,		1
396	A predictive control strategy for nonlinear NOx decomposition process in thermal power plants. 2006 , 36, 904-921		10
395	Data derived continuous time model for the Dst dynamics. 2006 , 33,		13
394	Optimal transform formed by a combination of nonlinear operators: the case of data dimensionality reduction. 2006 , 54, 1431-1444		12
393	Toward Best Approximation of Nonlinear Systems: A Case of Models with Memory. 2006 , 27, 721-756		
392	An agent-based system for distributed fault diagnosis. 2006 , 10, 319-335		4
391	Adaptive feed-forward control of thermal heating process. 2006 , 3, 184-190		
390	CONSTRAINED ODE MODELING AND KALMAN FILTERING FOR RECURSIVE IDENTIFICATION OF NONLINEAR SYSTEMS. 2006 , 39, 997-1002		1
389	IDENTIFICATION OF POLINOMIAL NARMAX MODELS FOR AN OIL WELL OPERATING BY CONTINUOUS GAS-LIFT. 2006 , 39, 1113-1118		2
388	Recursive prediction error identification and scaling of non-linear state space models using a restricted black box parameterization. 2006 , 42, 159-168		37

387	A non-linear approach for the analysis and modelling of the dynamics of systems exhibiting Vapotron effect. 2006 , 49, 1264-1273	3
386	Application of neural dynamic optimization to combustion-instability control. 2006 , 83, 253-264	17
385	Analytical description of the effects of system nonlinearities on output frequency responses: A case study. 2006 , 295, 584-601	25
384	Best approximation of the identity mapping: The case of variable finite memory. 2006 , 143, 111-123	2
383	Nonlinear modeling based on RBF neural networks identification and adaptive fuzzy control of DMFC stack. 2006 , 10, 346-351	0
382	Local regularization assisted orthogonal least squares regression. 2006 , 69, 559-585	81
381	A new method for the design of energy transfer filters. <i>International Journal of Control</i> , 2006 , 79, 968-98 <u>1</u> .5	3
3 80	Adaptive Fuzzy Control of a pH Process. 2006 ,	2
379	Nonlinear Aeroelastic System Identification with Application to Experimental Data. 2006, 29, 374-381	12
378	USE OF CUMULATIVE SUM (CUSUM) TEST FOR DETECTING ABRUPT CHANGES IN THE PROCESS DYNAMICS. 2007 , 14, 65-80	6
377	Nonlinear Black-Box Modeling of Aeroelastic Systems Using Structure Detection Approach: Application to F/A-18 Aircraft Data. 2007 , 30, 557-564	6
376	ADAPTIVE NEURAL-NETWORK PREDICTIVE CONTROL FOR NONMINIMUM-PHASE NONLINEAR PROCESSES. 2007 , 194, 177-193	1
375	MODELING AND PREDICTION OF THE DYNAMIC BEHAVIOR IN A REACTOR-EXCHANGER USING NARMAX NEURAL STRUCTURE. 2007 , 194, 691-705	4
374	A New Nonlinear System Identification Method Using Gene Expression Programming. 2007,	2
373	Identification and Control. 2007,	2
372	Optimum grouping in a modified genetic algorithm for discrete-time, non-linear system identification. 2007 , 221, 975-989	2
371	A Reliable Model-Based Approach for the Detection of Equipment Faults in a Chemical Reactor. 2007 , 5,	
370	Demonstrating the Identification of Nonlinear Vibrating Systems to Undergraduate Students. 2007 , 35, 336-360	1

369 Bibliography. **2007**, 379-393

368	A comparative study on global wavelet and polynomial models for non-linear regime-switching systems. 2007 , 2, 273	8
367	NARMAX neural modelling and detecting faults using the cumulative sum statistical test. 2007 , 1, 411	2
366	Aeroelastic Model Structure Computation for Envelope Expansion. 2007,	
365	Multivariate polynomial regression for identification of chaotic time series. 2007 , 13, 395-412	6
364	Convergence analysis of a recursive identification algorithm for nonlinear ODE models with a restricted black-box parameterization. 2007 ,	6
363	A Nonlinear Predictive Model Based on Multilayer Perceptron Network. 2007,	2
362	Time-series methods for fault detection and identification in vibrating structures. 2007 , 365, 411-48	140
361	Multi-input data derived Dst model. 2007 , 112, n/a-n/a	13
360	NARMAX based nonlinear predictive control. 2007 ,	O
359	Forecasting time series with a new architecture for polynomial artificial neural network. 2007 , 7, 1209-1216	18
358	Multi-rate model predictive control of a chemical reactor based on three neural models. 2007 , 37, 86-97	8
357	Significant vector learning to construct sparse kernel regression models. 2007 , 20, 791-8	15
356	Computational intelligence approaches and linear models in case studies of forecasting exchange rates. 2007 , 33, 816-823	40
355	Task identification and characterisation in mobile robotics through non-linear modelling. 2007 , 55, 267-275	6
354	Visual task identification and characterization using polynomial models. 2007 , 55, 711-719	7
353	Genetic algorithm with an improved fitness function for (N)ARX modelling. 2007, 21, 994-1007	34
352	An approach to polynomial NARX/NARMAX systems identification in a closed-loop with variable structure control. 2008 , 5, 313-318	11

351	A neural network approach for the real-time detection of faults. 2008 , 22, 339-349	15
350	A review of nonlinear dynamics applications to structural health monitoring. 2008 , 15, 540-567	131
349	Using ARX and NARX approaches for modeling and prediction of the process behavior: application to a reactor-exchanger. 2008 , 3, 597-605	9
348	Frequency domain analysis for suppression of output vibration from periodic disturbance using nonlinearities. 2008 , 314, 536-557	42
347	Accurate robot simulation through system identification. 2008 , 56, 1082-1093	6
346	Model identification and model analysis in robot training. 2008, 56, 1061-1067	2
345	On-line fuzzy modeling via clustering and support vector machines. 2008 , 178, 4264-4279	24
344	Output frequency response function-based analysis for nonlinear Volterra systems. 2008, 22, 102-120	36
343	Knock detection in spark ignition engines by vibration analysis of cylinder block: A parametric modeling approach. 2008 , 22, 1495-1514	46
342	Magnitude bounds of generalized frequency response functions for nonlinear Volterra systems described by NARX model. 2008 , 44, 838-845	24
341	Application of memetic algorithm in modelling discrete-time multivariable dynamics systems. 2008 , 22, 1595-1609	8
340	Numerical bounds to assure initial local stability of NARX multilayer perceptrons and radial basis functions. 2008 , 72, 539-547	7
339	Output feedback NN control for two classes of discrete-time systems with unknown control directions in a unified approach. 2008 , 19, 1873-86	165
338	Non-Linear System Identification for Aeroelastic Systems with Application to Experimental Data. 2008 ,	1
337	Monthly streamflow prediction in the Volta Basin of West Africa: A SISO NARMAX polynomial modelling. 2008 , 33, 141-150	30
336	Modeling of rate-dependent hysteresis in piezoelectric actuators. 2008,	1
335	Dynamical hysteresis in communications: a Volterra functional approach. 2008, 2, 75	4
334	Initialization of a Nonlinear Identification Algorithm Applied to Laboratory Plant Data. 2008, 16, 708-716	4

333	NARX-Based Nonlinear System Identification Using Orthogonal Least Squares Basis Hunting. 2008 , 16, 78-84	46
332	The design of energy transfer filters for energy focus filtering. <i>International Journal of Control</i> , 2008 , 81, 214-226	3
331	Fault diagnosis based on knowledge extracted from neurofuzzy networks using binary and real-valued fault databases. 2008 ,	
330	Nonlinear time series forecasting with dynamic RBF neural networks. 2008,	1
329	Structure Computation of Quiet Spike Flight-Test Data During Envelope Expansion. 2008, 45, 1579-1584	
328	Nonlinear predictive control based on NARMAX models. 2008,	Ο
327	Testing for intracycle determinism in pseudoperiodic time series. 2008, 18, 023125	3
326	RF transceiver parameter identification using regressive models. 2008,	
325	A non-linear auto-regressive moving average with exogenous input non-linear modelling and fault detection using the cumulative sum (Page-Hinkley) test: application to a reactor. 2008 , 32, 187	3
324	Using neural networks and statistical tests for detecting changes in the process dynamics. 2008 , 3, 113	5
323	Constructing an overall dynamical model for a system with changing design parameter properties. 2008 , 5, 93	22
322	Nolinear System Identification Based on Local Sub-Model Networks. 2008 , 41, 4030-4035	
321	Podemos prever a taxa de cambio brasileira? Evidñcia empfica utilizando inteligñcia computacional e modelos economtricos. 2008 , 15, 635-647	3
320	A tunable radial basis function model for nonlinear system identification using particle swarm optimisation. 2009 ,	1
319	An adaptive voltage control algorithm with multiple distributed energy resources. 2009,	1
318	Feature Extraction for Damage Detection in Structures Based on Nonlinearity Analysis. 2009 , 413-414, 627-634	10
317	Multimodal signal processing for the analysis of cardiovascular variability. 2009 , 367, 391-409	34
316	Batch type local search-based adaptive neuro-fuzzy inference system (ANFIS) with self-feedbacks for time-series prediction. 2009 , 72, 1870-1877	47

315	Model estimation of cerebral hemodynamics between blood flow and volume changes: a data-based modeling approach. 2009 , 56, 1606-16	17
314	Modeling and prediction of chaotic systems with artificial neural networks. 2009, 63, n/a-n/a	8
313	Identification of nonlinear systems using NARMAX model. 2009 , 71, e1198-e1202	35
312	Nonlinear model identification of an experimental ball-and-tube system using a genetic programming approach. 2009 , 23, 1434-1446	15
311	Modeling hysteresis in piezoelectric actuators using NARMAX models. 2009 , 149, 106-112	40
310	Monitoring combustion unstable dynamics by means of control charts. 2009 , 86, 1574-1581	19
309	Fault detection and isolation in nonlinear systems. 2009 , 33, 113-123	75
308	Online fuzzy modeling with structure and parameter learning. 2009 , 36, 7484-7492	11
307	Iterative operator method of nonlinear compensation in recursive systems. 2009 , 52, 488-496	
306	Complex robot training tasks through bootstrapping system identification. 2009,	
305	Nonlinear System Identification: An Effective Framework Based on the Karhunenllolle Transform. 2009 , 57, 536-550	23
304	Frequency-Dependent Magnitude Bounds of the Generalized Frequency Response Functions for NARX Model. 2009 , 15, 68-83	9
303	Model-order reduction based on artificial neural networks for accurate prediction of the product quality in a distillation column. 2009 , 3, 332	7
302	Non-linear system identification using particle swarm optimisation tuned radial basis function models. 2009 , 1, 246	56
301	Parameter Identification of RF Transceiver Blocks Using Regressive Models. 2009, 42, 67-72	1
300	Fault Detection and Isolation in Nonlinear Systems. 2009 , 42, 1-11	4
299	Identification of nonlinear systems using Polynomial Nonlinear State Space models. 2010 , 46, 647-656	179
298	An application of Lyapunov stability analysis to improve the performance of NARMAX models. 2010 , 58, 229-238	3

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297	Towards modelling complex robot training tasks through system identification. 2010 , 58, 265-275	5
296	Variance decompositions of nonlinear-dynamic stochastic systems. 2010 , 20, 195-205	7
295	From linear to nonlinear identification: One step at a time. 2010 , 51, 473-486	3
294	Analysis of MDOF nonlinear systems using associated linear equations. 2010 , 24, 2824-2843	7
293	GNL-HybELS: an algorithm to classify and identify VOR responses simultaneously. 2010 , 2010, 2346-9	2
292	Active Noise Control Algorithm Based on a Neural Network and Nonlinear Input-Output System Identification Model. 2010 , 35,	8
291	A soft computing method for detecting lifetime building thermal insulation failures. 2010 , 17, 103-115	73
290	A double level fusion architecture based intelligence algorithms for lumber drying parameters detection system. 2010 ,	
289	Use of a neural-network-based approach for a reliable modelling of a distillation column. 2010 , 11, 71	3
288	Experimental study and nonlinear modelling by artificial neural networks of a distillation column. 2010 , 4, 265	4
287	Multi-state dependent parameter model identification and estimation for nonlinear dynamic systems. 2010 , 46, 1265	11
286	. 2010 , 58, 2998-3007	44
285	. 2011,	
284	A novel method of parameter identification of nonlinear electrohydraulic servo systems. 2011,	4
283	Identification of hysteresis of human meridian systems. 2011,	
282	Automatic classification and robust identification of vestibulo-ocular reflex responses: from theory to practice: introducing GNL-HybELS. 2011 , 31, 347-68	3
281	Adaptive fuzzy-neural tracking control for uncertain nonlinear discrete-time systems in the NARMAX form. 2011 , 66, 745-753	14
280	A differential evolution based neural network approach to nonlinear system identification. 2011 , 11, 861-871	123

279	Experimental investigation of TARMAX model for modeling of hydrodynamic forces on cylinder-like structures. 2011 , 10, 281-288	11
278	Explicit output-feedback nonlinear predictive control based on black-box models. 2011 , 24, 388-397	19
277	Global models for patient-ventilator interactions in noninvasive ventilation with asynchronies. 2011 , 41, 253-64	1
276	Feasibility study of structural damage detection using NARMAX modelling and Nonlinear Output Frequency Response Function based analysis. 2011 , 25, 1045-1061	60
275	The application of nonlinear model predictive control in ozone dosing process for drinking water treatment. 2011 ,	
274	Modeling of non isothermal CSTR with the method of RBF NN. 2011 ,	
273	Model Order Reduction and the Heat Transfer Modelling of a Heat Exchanger by Using Artificial Neural Approach. 2011 , 6,	1
272	Application of advanced data-driven parametric models to load reconstruction in mechanical structures and systems. 2011 , 17, 1424-1438	6
271	Comparison between multi-objective and single-objective optimization for the modeling of dynamic systems. 2012 , 226, 994-1005	5
270	Identification of Hysteresis in Human Meridian Systems Based on NARMAX Model. 2012 , 2012, 1-16	2
269	A sparse matrix approach for simultaneous quantification of nystagmus and saccade. 2012 , 2012, 5478-81	
268	RainfallEunoff modelling using genetic programming. 2012 , 14, 108-121	15
267	Retrospective-Cost Adaptive Control of Uncertain Hammerstein Systems Using a NARMAX Controller Structure. 2012 ,	0
266	An Elastic Net Orthogonal Forward Regression Algorithm*. 2012 , 45, 1814-1819	2
265	Convergence analysis of a recursive prediction error method 2012 , 45, 1496-1501	O
264	Identification of a Block-Structured Model with Localised Nonlinearity. 2012 , 45, 1125-1130	3
263	Initial Estimates for the LFR Nonlinear Model Structure via the Best Linear Approximation. 2012 , 45, 13-18	1
262	A General Nonlinear System Identification Method Based upon Time-Varying Trend of Instantaneous Frequencies and Amplitudes. 2012 , 15, 781-792	4

261	Respiratory Motion Estimation With Hybrid Implementation of Extended Kalman Filter. 2012 , 59, 4421-4432	31
260	Fractional power NARX model identification using a harmony search algorithm. 2012,	Ο
259	Identification algorithm for a class of nonlinear systems. 2012 ,	
258	Nonlinear AutoRegressive eXogenous Artificial Neural Networks for predicting Buckling restrained braces force. 2012 ,	2
257	Discussion of stability on recurrent neural networks for nonlinear dynamic systems. 2012,	1
256	The Complex Mind. 2012,	
255	A data-driven framework for identifying nonlinear dynamic models of genetic parts. 2012 , 1, 375-84	12
254	Radial Basis Function (RBF) for Nonlinear Dynamic System Identification. 2012 ,	
253	Time-varying linear and nonlinear parametric model for Granger causality analysis. 2012, 85, 041906	24
252	Software fault prediction using Nonlinear Autoregressive with eXogenous Inputs (NARX) network. 2012 , 37, 121-129	22
251	Understanding neuronal systems in movement control using Wiener/Volterra kernels: a dominant feature analysis. 2012 , 203, 220-32	4
250	Adaptive predictive control of periodic non-linear auto-regressive moving average systems using nearest-neighbour compensation. 2013 , 7, 936-951	23
249	NARX modelling of unsteady separation control. 2013 , 54, 1	8
248	Improved Structure Detection For Polynomial NARX Models Using a Multiobjective Error Reduction Ratio. 2013 , 24, 764-772	11
247	Computational system identification for Bayesian NARMAX modelling. 2013, 49, 2641-2651	35
246	Robust identification of nonlinear objects with the help of an evolving radial basis network. 2013 , 49, 173-182	1
245	A novel approach for detecting alerts in urban pollution monitoring with low cost sensors. 2013,	1
244	Compensation of hysteresis in piezoelectric actuators without dynamics modeling. 2013, 199, 89-97	43

243	System identification methods for metal rubber devices. 2013 , 39, 207-226	18
242	Fusion of hypothesis testing for nonlinearity detection in small time series. 2013 , 93, 1295-1307	3
241	Practical multi-objective controller for preventing noise and vibration in an automobile wiper system. 2013 , 8, 54-68	8
240	ANN-based surrogate models for the analysis of mooring lines and risers. 2013 , 41, 76-86	38
239	Substructure Vibration NARX Neural Network Approach for Statistical Damage Inference. 2013 , 139, 737-747	31
238	Virtual Testing of Buckling-Restrained Braces via Nonlinear Autoregressive Exogenous Neural Networks. 2013 , 27, 755-768	9
237	Identification of nonlinear dynamic systems using differential evolution based update algorithms and Chebyshev functional link artificial neural network. 2013 ,	3
236	Identification of non-linear stochastic spatiotemporal dynamical systems. 2013 , 7, 2069-2083	4
235	Models for Linear and Nonlinear Systems. 2013 , 17-59	7
234	Introduction. 2013 , 1-15	
233	Design of Nonlinear Systems in the Frequency Domain Energy Transfer Filters and Nonlinear Damping. 2013 , 217-260	
232	Case Studies. 2013 , 473-548	
231	Computation of Parametric Convergence Bound and Parametric Convergence Margin for Volterra series expansion. 2013 ,	2
230	Self-motion effects on hydrodynamic pressure sensing: part I. forward-backward motion. 2013 , 8, 026001	26
229	Nonlinear autoregressive model for space tracking ship's swaying data errors. 2013,	
228	Identification of a Hammerstein model for an aerospace electrohydraulic servovalve. 2013, 46, 459-463	3
227	Knock Detection in a Turbocharged S.I. Engine Based on ARMA Technique and Chemical Kinetics. 2013 ,	15
226	. 2013,	389

225	Neural Networks Predictive Controller Using an Adaptive Control Rate. 2014, 3, 127-147	11
224	The Use of Vibrational Signals for On-Board Knock Diagnostics Supported by In-Cylinder Pressure Analyses. 2014 ,	11
223	A Multi-objective, active fuzzy force controller in control of flexible wiper system. 2014 , 11, 1490-1514	10
222	A new NARX based Semi Supervised Learning algorithm for pollutant estimation. 2014,	1
221	Lion algorithm for standard and large scale bilinear system identification: A global optimization based on Lion's social behavior. 2014 ,	36
220	A Novel Modeling Method Based on Multi-Dimensional Taylor Network and its Application in Time Series Prediction. 2014 , 940, 480-484	4
219	Dynamic System Modeling of Flexible Beam System Using Multi-Objective Optimization Differential Evolution Algorithm. 2014 , 695, 605-608	3
218	On the Relation between NARX Clusters and Even/Odd Nonlinearities through Frequency-Domain Analysis. 2014 , 2014, 1-10	
217	NARMAX model based pseudo-Hammerstein identification for rate-dependent hysteresis. 2014,	1
216	A Wavelet-Based Second Order Nonlinear Model for Forecasting Monthly Rainfall. 2014 , 28, 5411-5431	11
215	A century of variation in the dependence of Greenland iceberg calving on ice sheet surface mass balance and regional climate change. 2014 , 470, 20130662	44
214	A nonparametric approach using artificial intelligence in vibration and noise reduction of flexible systems. 2014 , 228, 1329-1347	10
213	Modeling the dynamic sandwich system with hysteresis using NARMAX model. 2014 , 97, 162-188	12
212	Unwanted noise and vibration control using finite element analysis and artificial intelligence. 2014 , 38, 2435-2453	24
211	Modeling method of cascading crisis events based on merging Bayesian Network. 2014 , 62, 94-105	24
210	Offset-free multistep nonlinear model predictive control under plantfhodel mismatch. 2014 , 28, 444-463	11
209	Towards Autonomous Robotic Systems. 2014 ,	4
208	Identification of a process with control valve stiction using a fuzzy system: A data-driven approach. 2014 , 24, 249-260	7

207 Creating non-linear models of human gait. **2014**, 39, S140-S141

206	Estimation of parametric convergence bounds for Volterra series expansion of nonlinear systems. 2014 , 45, 28-48	10
205	Nonlinear Adaptive Model Predictive Controller for a Flexible Manipulator: An Experimental Study. 2014 , 22, 1754-1768	55
204	Identification of a nonlinear model for a glucoregulatory benchmark problem. 2014 , 13, 168-173	2
203	BR-Sensor: An On-line Data-driven Soft Sensor of Downhole Pressure**Final support from Petrobas S.A. is acknowledged 2015 , 48, 311-316	2
202	Sparse Bayesian Identification of Polynomial NARX Models. 2015 , 48, 172-177	4
201	Assessment of an Identification Strategy for the Prediction of the Dynamics of Two-phase Flows. 2015 , 82, 316-321	1
200	Input-state linearisation control for a class of SISO realisable nonlinear rational NARMAX models. 2015 , 23, 297	4
199	PERTURBATION PARAMETERS TUNING OF MULTI-OBJECTIVE OPTIMIZATION DIFFERENTIAL EVOLUTION AND ITS APPLICATION TO DYNAMIC SYSTEM MODELING. 2015 , 75,	1
198	Review of rational (total) nonlinear dynamic system modelling, identification, and control. 2015 , 46, 2122-213	335
197	Topics in Modal Analysis, Volume 10. 2015 ,	1
196	A minimal architecture for general cognition. 2015 ,	
195	Large-scale systems security evolution. 2015 ,	3
194	Nonlinear modeling and identification of proton exchange membrane fuel cell (PEMFC). 2015 , 40, 9452-9461	16
193	Identification of Nonlinear Structures by the Conditioned Reverse Path Method. 2015 , 52, 373-386	11
192	Application of neural network and genetic algorithm in identification of a model of a variable mass underwater vehicle. 2015 , 96, 173-180	15
191	Identification of continuous-time nonlinear systems: The nonlinear difference equation with moving average noise (NDEMA) framework. 2015 , 60-61, 810-835	17
190	Nonlinear Identification Using Orthogonal Forward Regression With Nested Optimal Regularization. 2015 , 45, 2925-36	14

(2016-2015)

Blind Identification of Nonlinear MIMO System Using Differential Evolution Techniques and Performance Analysis of Its Variants. 2015 ,	3
An SIMO Nonlinear System Approach to Analysis and Design of Vehicle Suspensions. 2015 , 20, 3098-3111	12
Structural estimation of Wiener-Hammerstein mathematical models. 2015,	O
Identification and observer synthesis of nonlinear systems using Laguerre multiple models. 2015,	
Novel adaptive bacterial foraging algorithms for global optimisation with application to modelling of a TRS. 2015 , 42, 1513-1530	17
A Monolithic Self-Sensing Precision Stage: Design, Modeling, Calibration, and Hysteresis Compensation. 2015 , 20, 812-823	25
Elastic net orthogonal forward regression. 2015 , 148, 551-560	3
A novel approach for identification of cascade of Hammerstein model. 2016 , 86, 513-522	4
Output-Only Identification of Nonlinear Systems Via Volterra Series. 2016 , 138,	10
Output-Only Identification of Nonlinear Systems Via Volterra Series. 2016 , 138, . 2016 ,	10
	10
. 2016, Global and asymptotically efficient identification of nonlinear rational systems via a two-step	10
. 2016, Global and asymptotically efficient identification of nonlinear rational systems via a two-step method. 2016, Inferring the variation of climatic and glaciological contributions to West Greenland iceberg	
. 2016, Global and asymptotically efficient identification of nonlinear rational systems via a two-step method. 2016, Inferring the variation of climatic and glaciological contributions to West Greenland iceberg discharge in the twentieth century. 2016, 121, 167-178 Application of systems identification to the implementation of motion camouflage in mobile	15
. 2016, Global and asymptotically efficient identification of nonlinear rational systems via a two-step method. 2016, Inferring the variation of climatic and glaciological contributions to West Greenland iceberg discharge in the twentieth century. 2016, 121, 167-178 Application of systems identification to the implementation of motion camouflage in mobile robots. 2016, 40, 229-244	15 9
. 2016, Global and asymptotically efficient identification of nonlinear rational systems via a two-step method. 2016, Inferring the variation of climatic and glaciological contributions to West Greenland iceberg discharge in the twentieth century. 2016, 121, 167-178 Application of systems identification to the implementation of motion camouflage in mobile robots. 2016, 40, 229-244 A review on nonlinear modeling for steam distillation system and its significance. 2016, Modified Chaotic Bat Algorithm Based Counter Propagation Neural Network for Uncertain	15 9 0
. 2016, Global and asymptotically efficient identification of nonlinear rational systems via a two-step method. 2016, Inferring the variation of climatic and glaciological contributions to West Greenland iceberg discharge in the twentieth century. 2016, 121, 167-178 Application of systems identification to the implementation of motion camouflage in mobile robots. 2016, 40, 229-244 A review on nonlinear modeling for steam distillation system and its significance. 2016, Modified Chaotic Bat Algorithm Based Counter Propagation Neural Network for Uncertain Nonlinear Discrete Time System. 2016, 15, 1650016 Analysis of the relationship between lifestyle and life satisfaction using transparent and nonlinear	15 9 0
	An SIMO Nonlinear System Approach to Analysis and Design of Vehicle Suspensions. 2015, 20, 3098-3111 Structural estimation of Wiener-Hammerstein mathematical models. 2015, Identification and observer synthesis of nonlinear systems using Laguerre multiple models. 2015, Novel adaptive bacterial foraging algorithms for global optimisation with application to modelling of a TRS. 2015, 42, 1513-1530 A Monolithic Self-Sensing Precision Stage: Design, Modeling, Calibration, and Hysteresis Compensation. 2015, 20, 812-823 Elastic net orthogonal forward regression. 2015, 148, 551-560

171	Sufficient conditions for rate-independent hysteresis in autoregressive identified models. 2016 , 75, 607-617	11
170	Improvements in stable inversion of NARX models by using Mann iteration. 2016 , 24, 667-691	1
169	Identification of nonlinear time-varying systems using an online sliding-window and common model structure selection (CMSS) approach with applications to EEG. 2016 , 47, 2671-2681	30
168	Fuzzy force learning controller of flexible wiper system. 2016 , 27, 483-493	19
167	Inverse optimal self-tuning PID control design for an autonomous underwater vehicle. 2017 , 48, 367-375	35
166	A globally consistent nonlinear least squares estimator for identification of nonlinear rational systems. 2017 , 77, 322-335	27
165	On Convergence of Volterra Series Expansion of a Class of Nonlinear Systems. 2017 , 19, 1089-1102	6
164	Reconstruction, Identification and Implementation Methods for Spiking Neural Circuits. 2017,	1
163	A New Approach to the Identification of Sensory Processing Circuits Based on Spiking Neuron Data. 2017 , 81-112	
162	Nonlinear parametric modelling to study how soil properties affect crop yields and NDVI. 2017 , 138, 127-136	13
161	Continuous Prediction of Streaming Video QoE Using Dynamic Networks. 2017, 24, 1083-1087	30
160	Tensor Networks for Dimensionality Reduction and Large-scale Optimization: Part 2 Applications and Future Perspectives. 2017 , 9, 249-429	74
159	Enabling reduced-order data-driven nonlinear identification and modeling through naWe elastic net regularization. 2017 , 94, 46-58	9
158	Energy rating of a water pumping station using multivariate analysis. 2017 , 126, 385-391	
157	Study of cumulative fatigue damage detection for used parts with nonlinear output frequency response functions based on NARMAX modelling. 2017 , 411, 75-87	22
156	Forecasting the Dst index using a swarm-optimized neural network. 2017 , 15, 1068-1089	20
155	l1-norm penalised orthogonal forward regression. 2017 , 48, 2195-2201	2
154	Self-evolving kernel recursive least squares algorithm for control and prediction. 2017,	1

153	A novel defect depth measurement method based on Nonlinear System Identification for pulsed thermographic inspection. 2017 , 85, 382-395	30
152	NARMAX Self-Tuning Controller for Line-of-Sight-Based Waypoint Tracking for an Autonomous Underwater Vehicle. 2017 , 25, 1529-1536	36
151	U-model based design procedure for non-linear control systems: A generic approach. 2017,	
150	Nonlinear dynamic predictive model selection and interference using information criteria. 2017,	
149	Networked and delayed recursive identification of nonlinear systems. 2017,	1
148	Prediction of Kp index using NARMAX models with a robust model structure selection method. 2017 ,	1
147	The Dominance of Food Supply in Changing Demographic Factors across Africa: A Model Using a Systems Identification Approach. 2017 , 6, 122	2
146	Tracking Nonlinear Correlation for Complex Dynamic Systems Using a Windowed Error Reduction Ratio Method. 2017 , 2017, 1-14	4
145	A robust model structure selection method for small sample size and multiple datasets problems. 2018 , 451-452, 195-209	12
144	Position control of a flexible manipulator using a new nonlinear self-tuning PID controller. 2018, 1-14	14
143	Data-Driven Cell Zooming for Large-Scale Mobile Networks. 2018 , 15, 156-168	24
142	Identification of Linear and Nonlinear Sensory Processing Circuits from Spiking Neuron Data. 2018 , 30, 670-707	2
141	System identification-based frequency domain feature extraction for defect detection and characterization. 2018 , 98, 70-79	9
140	Detecting unreliable computer simulations of recursive functions with interval extensions. 2018 , 329, 408-419	22
139	Nonlinear Monotonically Convergent Iterative Learning Control for Batch Processes. 2018 , 65, 5826-5836	53
138	. 2018 , 63, 4172-4187	18
137	Bioinspired Approach to Modeling Retinal Ganglion Cells Using System Identification Techniques. 2018 , 29, 1796-1808	7
136	Optimization of neural network for nonlinear discrete time system using modified quaternion firefly algorithm: case study of Indian currency exchange rate prediction. 2018 , 22, 2667-2681	17

135	Design of Nonlinear Systems in the Frequency Domain: An Output Frequency Response Function-Based Approach. 2018 , 26, 1358-1371	13
134	Approximation of nonlinear discrete-time system using FA-based neural network. 2018 , 3, 49-59	4
133	Driver workload estimation using a novel hybrid method of error reduction ratio causality and support vector machine. 2018 , 114, 390-397	29
132	A Novel Approach for Modeling Neural Responses to Joint Perturbations Using the NARMAX Method and a Hierarchical Neural Network. 2018 , 12, 96	12
131	Force Control of Flexible Integrated Joint Based on Model-free Adaptive Control. 2018,	1
130	Nonlinear FIR Identification with Model Order Reduction Steiglitz-McBride. 2018 , 51, 646-651	
129	Neural Network Based Semi-Empirical Models for Dynamical Systems Represented by Differential-Algebraic Equations of Index 2. 2018 , 123, 252-257	3
128	The variability of the Atlantic meridional circulation since 1980, as hindcast by a data-driven nonlinear systems model. 2018 , 66, 683-695	2
127	. 2018,	
126	Using global modeling to unveil hidden couplings in small network motifs. 2018 , 28, 123110	4
125	Structure selection based on interval predictor model for recovering static non-linearities from chaotic data. 2018 , 12, 1889-1894	2
124	Non-linear MIMO identification of a Phantom Omni using LS-SVR with a hybrid model selection. 2018 , 12, 678-683	2
123	MTN Optimal Tracking Control of SISO Nonlinear Time-Varying Discrete-Time Systems without Mechanism Models. 2018 , 2018, 1-19	
122	Nonlinear predictive model selection and model averaging using information criteria. 2018 , 6, 319-328	6
121	On the Use of Interval Extensions to Estimate the Largest Lyapunov Exponent from Chaotic Data. 2018 , 2018, 1-8	12
120	Learning robot reaching motions by demonstration using nonlinear autoregressive models. 2018 , 107, 182-195	3
119	Data-driven identification of interpretable reduced-order models using sparse regression. 2018 , 119, 101-111	40
118	A Pilot Study Investigating a Novel Non-Linear Measure of Eyes Open versus Eyes Closed EEG Synchronization in People with Alzheimer Disease and Healthy Controls. 2018 , 8,	12

117	Modeling of a 2-DOF Piezoelectric Micromanipulator at High Frequency Rates through Nonlinear Black-box System Identification. 2018 ,	4
116	An iterative method and its application to stable inversion. 2019 , 23, 7393-7406	6
115	A Meta-heuristic Approach to Identification of Renal Blood Flow. 2019 ,	O
114	Deep learning of dynamics and signal-noise decomposition with time-stepping constraints. 2019 , 396, 483-506	46
113	Double Q-PID algorithm for mobile robot control. 2019 , 137, 292-307	17
112	Effect of Climatic Factors on Stem Biomass and Carbon Stock of Larix gmelinii and Betula platyphylla in Daxing∃nling Mountain of Inner Mongolia, China. 2019 , 2019, 1-10	10
111	Neural Network Black Box Approach to the Modeling and Control of Dynamical Systems. 2019 , 93-129	1
110	NARX Model Identification Using Correntropy Criterion in the Presence of Non-Gaussian Noise. 2019 , 30, 453-464	8
109	Complex systems modelling for statistical forecasting of winter North Atlantic atmospheric variability: A new approach to North Atlantic seasonal forecasting. 2019 , 145, 2568-2585	3
108	Lyapunov Theory-Based Fusion Neural Networks for the Identification of Dynamic Nonlinear Systems. 2019 , 29, 1950015	8
107	Data-Driven Identification of Parametric Partial Differential Equations. 2019, 18, 643-660	73
106	Application of Gaussian process autoregressive models for capturing the time evolution of microstructure statistics from phase-field simulations for sintering of polycrystalline ceramics. 2019 , 27, 084006	11
105	Oracle-Based Economic Predictive Control. 2019,	2
104	A Survey on Tensor Techniques and Applications in Machine Learning. 2019 , 7, 162950-162990	27
103	. 2019,	О
102	Kautz basis expansion-based Hammerstein system identification through separable least squares method. 2019 , 121, 929-941	6
101	System Identification and Data-Driven Forecasting of AE Index and Prediction Uncertainty Analysis Using a New Cloud-NARX Model. 2019 , 124, 248-263	6
100	Estimation of Damage Thickness in Fiber-Reinforced Composites using Pulsed Thermography. 2019 , 15, 445-453	17

99	Maintenance management based on Machine Learning and nonlinear features in wind turbines. 2020 , 146, 316-328	46
98	Online Machine Learning Model Compensator for Model Predictive Control and Anomaly Mitigation of Mechanical Systems. 2020 ,	
97	Fast tunable gradient RBF networks for online modeling of nonlinear and nonstationary dynamic processes. 2020 , 93, 53-65	O
96	Adaptive Immune Multiobjective Algorithm for LSSVM-based NARMAX model. 2020 , 768, 042036	
95	On the structure of time-delay embedding in linear models of non-linear dynamical systems. 2020 , 30, 073135	13
94	NARMAX Identification Based Closed-Loop Control of Flow Separation over NACA 0015 Airfoil. 2020 , 5, 100	2
93	Data-Driven Discovery of Block-Oriented Nonlinear Models Using Sparse Null-Subspace Methods. 2020 , PP,	2
92	Combinatorial Network of Dynamic Models: A Method to Improve Bad-quality Models. 2020 , 18, 923-930	
91	Evolutionary-Based Sparse Regression for the Experimental Identification of Duffing Oscillator. 2020 , 2020, 1-12	
90	Modelling non-linear control systems using the discrete Urysohn operator. 2020 , 357, 3865-3892	7
89	An R library for nonlinear black-box system identification. 2020 , 11, 100495	2
88	Physics-Informed Deep Neural Networks for Learning Parameters and Constitutive Relationships in Subsurface Flow Problems. 2020 , 56, e2019WR026731	59
87	Scalable surrogate deconvolution for identification of partially-observable systems and brain modeling. 2020 , 17, 046025	2
86	Volterra series identification and its applications in structural identification of nonlinear block-oriented systems. 2020 , 51, 1959-1968	3
85	Automated damage location for building structures using the hysteretic model and frequency domain neural networks. 2020 , 27, e2584	2
84	Nonlinear Modeling of Cortical Responses to Mechanical Wrist Perturbations Using the NARMAX Method. 2021 , 68, 948-958	4
83	. 2021 , 66, 2449-2464	
82	A machine learning framework for the temporal evolution of microstructure during static recrystallization of polycrystalline materials simulated by cellular automaton. 2021 , 188, 110132	7

81	Smart process analytics for predictive modeling. 2021 , 144, 107134	10
80	Progress in Advanced Computing and Intelligent Engineering. 2021 ,	
79	Nonlinear Systems and the Frequency Domain Representations. 2021 , 15-29	
7 ⁸	Detecting Equilibrium State of Dynamical Systems Using Sliding-Window Reduced-Order Dynamic Mode Decomposition. 2021 ,	
77	Extrapolation Behavior Comparison of Nonlinear State Space Models. 2021 , 54, 487-492	О
76	Introduction. 2021 , 1-13	
75	Convergent Evolution of IT Security Paradigm: From Access Control to Cyber-Defense. 2021 , 143-155	
74	Modelling the Influence of Soil Properties on Crop Yields Using a Non-Linear NFIR Model and Laboratory Data. 2021 , 5, 12	3
73	An ARMAX-DFIG model based adaptive controller for a wind energy conversion system. 0309524X2110007	2
72	Multiparameter Real-World System Identification Using Iterative Residual Tuning. 2021, 13,	1
71	Exploring active subspace for neural network prediction of oscillating combustion. 2021 , 25, 570-587	4
70	Multimodel System Identification Based on New Fuzzy Partitioning Similarity Measure. 2021 , 10, 19-30	
69	Nonlinear extensions of new causality. 2021 , 1, 100001	
68	Gaze Focalization System for Driving Applications Using OpenFace 2.0 Toolkit with NARMAX Algorithm in Accidental Scenarios. 2021 , 21,	2
67	Oracle-based economic predictive control. 2021 , 153, 107434	О
66	Decision-Making for Complex Systems Subjected to Uncertainties Probability Density Function Control Approach. 2021 , 693-724	1
65	Nonlinear Civil Structures Identification Using a Polynomial Artificial Neural Network. 2005 , 138-145	1
64	An Expert System for the Identification of Nonlinear Dynamical Systems. 2006 , 1263-1268	2

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